

CLAIMS

What is Claimed is:

1. A universal harmonic balancer installation kit comprising, in combination:
 - (a) a plurality of generally uniform diameter threaded, elongate rods, each rod including a longitudinal axis, an outer end polygonal drive, and a unique thread diameter and pitch;
 - (b) a universal bushing having a throughbore with a diameter greater than the maximum thread diameter of a plurality of the elongate rods; and
 - (c) a plurality of threaded drive nuts, each of said nuts with a thread size and diameter correlated to one of said rods, at least some of said nuts including a cylindrical neck section sized to fit into the bushing throughbore and a polygonal drive section for cooperation with a drive tool, whereby the threaded rod may be threaded into a compatible threaded opening in the end of a crankshaft, and a harmonic balancer placed over the rod with a bushing engaged against the balancer and a nut threaded onto the rod positioned against the bushing as the rod is held in position to thereby drive and install the balancer on the crankshaft.
2. The kit of claim 1 including at least one washer sized to fit between a nut and said bushing on a rod.
3. The kit of claim 1 including at least one spacer sized to fit between a nut and said bushing on a rod.

4. The kit of claim 1 including at least one washer and spacer in combination to fit between a nut and said bushing on a rod.

5. The kit of claim 1 including the following component parts:

Thrust Bearing	5/8-18 Nut	9/16-18 Stud
1 5/8" Washer	3/4-16 Nut	5/8-11 Stud
2 1/8" Tube	M10 X 1.5 Nut	5/8-18 Stud
2 1/8" Stepped Washer	M12 X 1.5 Nut	3/4-16 Stud
1 5/8" Tube	M12 X 1.75 Nut	M10 X 1.5 Stud
1 5/8" Stepped Washer	M14 X 1.5 Nut	M12 X 1.5 Stud
1 43/64 Spacer	M14 X 2.0 Nut	M12 X 1.75 Stud
2 1/16" Spacer	M16 X 1.5 Nut	M14 X 1.5 Stud
7/16-20 Nut	M16 X 2.0 Nut	M14 X 2.0 Stud
1/2-20 Nut	M18 X 1.5 Nut	M16 X 1.5 Stud
9/16-18 Nut	7/16-20 Stud	M16 X 2.0 Stud
5/8-11 Nut	1/2-20 Stud	M18 X 1.5 Stud